

WINGCO[®] GENERATORS



An American Company

We produce our products in our 200,000ft² facility located in Le Center, Minnesota, equipped with modern engineering, fabrication and assembly capabilities.



Full Load Tested

Every generator is 100% load tested



DSE 7310 Controller

Provides immediate performance information



Coolant Heater

Hotstart coolant heater with thermostat



Battery Charger

5 Amp, smart marine charger standard



TÜV Certified

The design, construction, and performance of our stationary generators conform to UL2200 & CSA standards



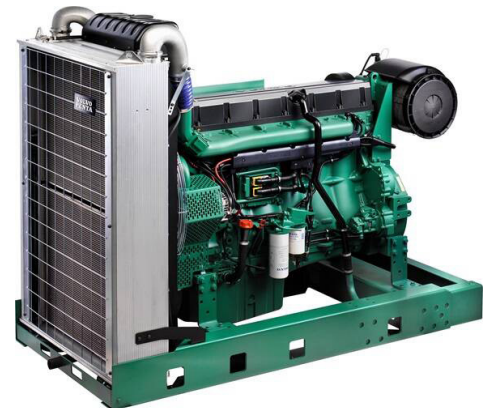
DR600V4

600,000 WATTS

Rugged Design
Galvanized steel enclosure with powder coat paint



Industrial Volvo Engine



Cummins Industrial Genend.



SPECIFICATIONS

ELECTRICAL

| VOLTS | POWER FACTOR | STANDBY | | | PRIME | | | CIRCUIT BREAKER |
|--------------|--------------|---------|-----|-------|---------|-----|-------|-----------------|
| | | WATTS | KVA | AMPS | WATTS | KVA | AMPS | |
| 120/208 3-PH | 0.8 | 600,000 | 750 | 2,083 | 540,000 | 675 | 1,875 | 2,000 |
| 120/240 3-PH | 0.8 | 600,000 | 750 | 1,801 | 540,000 | 675 | 1,621 | 1,800 |
| 277/480 3-PH | 0.8 | 600,000 | 750 | 902 | 540,000 | 675 | 812 | 900 |
| 346/600 3-PH | 0.8 | 600,000 | 750 | 722 | 540,000 | 675 | 649 | 750 |

ENGINE

| | |
|--------------------------------|-----------------|
| ENGINE BRAND | Volvo |
| ENGINE MODEL | TWD1644GE |
| TIER | II |
| ENGINE STARTER | 24V ELECTRIC |
| ENGINE SPEED | 1800 RPM |
| ENGINE CYLINDERS | 6 |
| ENGINE HP | 917 |
| FREQUENCY | 60 HZ |
| ALTERNATOR | 80 AMPS 24V |
| FLYWHEEL | 14" |
| ROTATION | CCW |
| ASPIRATION | TURBOCHARGED |
| COOLANT | 25.1 GAL |
| BORE/STROKE | 144 mm x 165 mm |
| DISPLACEMENT | 16.12L |
| RECOMMENDED OIL ⁽¹⁾ | 5W-40 SAE |
| OIL CAPACITY | 12.68 GAL |
| INJECTION PUMP | DELPHI TYPE |
| GOVERNOR | ELECTRONIC |
| COMPRESSION RATIO | 16.5:1 |
| FAN TYPE | PUSHER |
| INTAKE AIR CONSUMPTION | 1649 CFM |
| RADIATOR COOLING AIR | 28,181 CFM |
| EXHAUST FLOW | 4044 CFM |
| EXHAUST OUTLET SIZE | 8" |
| STARTING TEMP W/BLOCK HEATER | -13° F |

NOTES: (1) The recommended oil is for normal applications. See operator's manual for the recommended oil for your needs.

DBA @ 7 METERS

| | |
|-----------|----|
| FULL LOAD | 77 |
|-----------|----|

DR600

| | |
|------------------------------|-------------------|
| MOTOR STARTING (CODE G) | 500 HP |
| TOTAL HARMONIC DISTORTION | < 5% |
| FLOATING NEUTRAL | YES |
| FORK LIFT POCKETS | NO |
| ASSEMBLED IN | USA |
| EPA APPROVED | TIER II (STANDBY) |
| CARB APPROVED | TIER II (STANDBY) |
| TÜV CERTIFICATION | UL2200 CSA |
| UNIT WARRANTY ⁽¹⁾ | |
| STANDBY | 2 YEAR/2000 HRS |

NOTES: (1) For more generator warranty, see operator's manual.

GENERATOR END

| | |
|--------------------|---------------------------|
| WINDING | 12 LEAD |
| WINDING NUMBER | 311 |
| VOLTAGE REGULATION | AVR +/- 1% |
| AVR TYPE | MX341 |
| PMG | STANDARD |
| TEMPERATURE RISE | 125/40° C |
| BRUSHLESS | YES |
| SPEED | 1800 RPM |
| ROTOR | 2/3 PITCH |
| WINDINGS | 100% COPPER |
| STATOR WINDING | DOUBLE LAYER LAP |
| COUPLING | DIRECT/FLEXIBLE DISC |
| BEARINGS | SINGLE (MAINTENANCE FREE) |
| EFFICIENCY PEAK | 95.1 |
| INSULATION | CLASS H |
| INGRESS PROTECTION | IP23 |

SPECIFICATIONS

BLOCK HEATER

| | |
|------------|--------|
| VOLTS | 120 |
| WATTS | 3,000 |
| AMPS | 25 |
| THERMOSTAT | |
| ON | 100° F |
| OFF | 120° F |

DERATES

| | |
|------------------------------|---------------------------------|
| ABOVE SEA LEVEL >4900 FT | 5% EVERY 1,600 FT |
| MAX OPERATING TEMPERATURE | 122°F W/O TEMPERATURE DERATE |

FUEL

| | |
|----------------------|------------------------|
| TYPE | ASTM D975 NO-2D DIESEL |
| FUEL CONSUMPTION | GAL/HR |
| 100% | 42.2 |
| 75% | 32.0 |
| 50% | 21.6 |
| 25% | 12.1 |
| OPTIONAL FUEL TANK | L x W x H |
| 1000 GAL - OPEN SKID | 138 x 78 x 34 |
| 1340 GAL - HOUSED | 236 x 78 x 24 |
| 3000 GAL - HOUSED | 330 x 78 x 36 |

DSE 7310 CONTROLLER

ENGINE DISPLAY/PROTECTION

| | |
|--------------------------|-----|
| ENGINE RPM | YES |
| LOW OIL PRESSURE | YES |
| HIGH COOLANT TEMP | YES |
| LOW COOLANT | YES |
| OVER/UNDER SPEED | YES |
| OVER CRANK | YES |
| CAN ECU SHUTDOWN | YES |
| ENGINE MAINTENANCE CODES | YES |

GENSET DISPLAY/PROTECTION

| | |
|--------------------------|---------------|
| VOLTAGE (L-N & L-L) | YES |
| OVER/UNDER VOLTAGE | YES |
| FREQUENCY | YES |
| OVER/UNDER FREQUENCY | YES |
| AMP DISPLAY/SHUTDOWN | YES |
| PHASE IMBALANCE | FIELD ENABLED |
| KW, KVA, KVARH DISPLAY | YES |
| KWH, KVAH, KVARH DISPLAY | YES |
| GENERATOR PHASE SEQUENCE | OPTIONAL |

BATTERY

| | |
|-----------------------------------|-------------------|
| DC SYSTEM | 24V |
| BATTERY RACK/CABLE | INCLUDED |
| BATTERY CHARGER | 8 AMP |
| REQUIRED BATTERIES ⁽¹⁾ | GROUP 4D 1200 CCA |

NOTES: (1) 2 batteries are required. Batteries are not included.

DIMENSIONS

| | |
|------------------------|------------------|
| DIMENSIONS (L x W x H) | 236" x 78" x 92" |
| WEIGHT | |
| OPEN | 10,850 LBS |
| HOUSED | 13,200 LBS |
| FREIGHT CLASS | 70 |

NOTES: Shipping dimensions are for an enclosed unit.

OPTIONAL ACCESSORIES

| | |
|--------------------------|--|
| BATTERY | |
| BATTERY HEATER | |
| RECEPTACLE PANEL | |
| MIMIC PANEL | |
| REMOTE MONITORING | |
| NFPA 110 LEVEL 1 UPGRADE | |

ADDITIONAL DISPLAYS/PROTECTIONS

| | |
|----------------------------|-----------------|
| EXTERNAL E-STOP | FIELD INSTALLED |
| BATTERY VOLTAGE | YES |
| BATTERY OVER/UNDER VOLTAGE | YES |

COMMUNICATIONS

| | |
|----------------------|----------|
| USB CONNECTABLE | YES |
| RS232/RS485 | YES |
| REMOTE DISPLAY PANEL | OPTIONAL |
| DSE WEB NET | OPTIONAL |

ADDITIONAL FEATURES

| | |
|----------------------------|----------------|
| AUDIBLE ALARM | YES |
| ENGINE EXERCISER | DISABLED |
| MAINTENANCE INTERVAL TIMER | DISABLED |
| LOAD SHEDDING/DUMMY | DISABLED |
| CONFIGURABLE INPUTS | 4 (EXPANDABLE) |
| CONFIGURABLE OUTPUTS | 4 (EXPANDABLE) |
| EVENT LOG | 250 |

Specifications are subject to change without notice.



ENCLOSED

